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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Application Number	10/525,057
Date Filed:	18 February 2005
First Named Inventor	James HILL
Group Art Unit	
Examiner Name	
Attorney Docket Number	41577/312173

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
/BG/		WO 95/18231	07/06/1995	WIPO		
/BG/		WO 96/28551	09/19/1996	WIPO		
/BG/		WO 00/73347	12/07/2000	WIPO		
/BG/		WO 01/70200 A1	09/27/2001	WIPO		

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

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/BG/		Anderson, et al., 'Protection of Mice from Fatal Bubonic and Pneumonic Plague by Passive Immunization with Monoclonal Antibodies Against the F1 Protein of <i>Yersinia Pestis</i> ,' <i>Am. J. Trop. Med. Hyg.</i> , 56(4):471-473 (1997)	
/BG/		Andrews, et al., 'Fraction 1 Capsular Antigen (F1) Purification from <i>Yersinia pestis</i> CO92 and from an <i>Escherichia coli</i> Recombinant Strain and Efficacy against Lethal Plague Challenge,' <i>Infection and Immunity</i> , 64(6) :2180-2187 (1996)	
/BG/		Casadevall, 'Short Analytical Review Passive Antibody Therapies: Progress and Continuing Challenges,' <i>Clinical Immunology</i> , 93(1):5-15 (1999)	
/BG/		Cornelis, 'Minireview The <i>Yersinia</i> Deadly Kiss,' <i>Journal of Bacteriology</i> , 180(21):5495-5504 (1998)	

Examiner Signature	/Brian Gangle/	Date Considered	03/16/2007
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/BG/		de Haard, <i>et al.</i> , 'A Large Non-Immunized Human Fab Fragment Phage Library That Permits Rapid Isolation and Kinetic Analysis of High Affinity Antibodies,' <i>Journal of Biological Chemistry</i> , 274(26):18218-18230 (1999)	
/BG/		Du, <i>et al.</i> , 'Role of Fraction 1 Antigen of <i>Yersinia pestis</i> in Inhibition of Phagocytosis,' <i>Infection and Immunity</i> , 70(3):1453-1460 (2002)	
/BG/		Duplantier, <i>et al.</i> , 'Resurgence de la peste dans le district d'Ikongo a Madagascar en 1998,' <i>Bulletin De La Societe De Pathologie Exotique</i> , 94(2):119-112 (2001)	
/BG/		Fields, <i>et al.</i> , 'Virulence role of V antigen of <i>Yersinia pestis</i> at the bacterial surface,' <i>Infection and Immunity</i> , 67(10):5395-5408 (1999)	
/BG/		Frank, <i>et al.</i> , 'Generation and Characterization of a Protective Monoclonal Antibody to <i>Pseudomonas aeruginosa</i> PcrV,' <i>Journal of Infectious Diseases</i> , 186:64-73 (2002)	
/BG/		Green, <i>et al.</i> , 'The SCID/Beige mouse as a model to investigate protection against <i>Yersinia pestis</i> ,' <i>FEMS Immunology and Medical Microbiology</i> , 23(2):107-113 (1999)	
/BG/		Guiyoule, <i>et al.</i> , 'Recent Emergence of New Variants of <i>Yersinia pestis</i> in Madagascar,' <i>Journal of Clinical Microbiology</i> , 35(11):2826-2833 (1997)	
/BG/		Guiyoule, <i>et al.</i> , 'Transferable Plasmid-Mediated Resistance to Streptomycin in a Clinical Isolate of <i>Yersinia pestis</i> ,' <i>Emerging Infectious Diseases</i> , 7(1):43-48 (2001)	
/BG/		Heath, <i>et al.</i> , 'Protection against experimental bubonic and pneumonic plague by a recombinant capsulat F1-V antigen fusion protein vaccine,' <i>Vaccine</i> , 16(11/12):1131-1137 (1998)	
/BG/		Hill, <i>et al.</i> , 'Synergistic protection of mice against plague with monoclonal antibodies specific for the F1 and V antigens of <i>Yersinia pestis</i> ,' <i>Infection and Immunity</i> , 71(4):2234-2238 (2003)	
/BG/		Hill, <i>et al.</i> , 'Regions of <i>Yersinia pestis</i> V Antigen That contribute to Protection against Plague Identified by Passive and Active Immunization,' <i>Infection and Immunity</i> , 65(11):4476-4482 (1997)	
/BG/		Hueck, 'Type III Protein Secretion Systems in Bacterial Pathogens of Animals and Plants,' <i>Microbiology and Molecular Biology Reviews</i> , 62(2):379-433 (1998)	
/BG/		Jones, <i>et al.</i> , 'Protective efficacy of a fully recombinant plague vaccine in the guinea pig,' <i>Vaccine</i> , 21:3912-3918 (2003)	

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/BG/		Jones, <i>et al.</i> , 'Protection conferred by a fully recombinant sub-unit vaccine against <i>Yersinia pestis</i> in male and female mice of four inbred strains,' <i>Vaccine</i> , 19:358-366 (2001)	
/BG/		Keller, <i>et al.</i> , 'Passive Immunity in Prevention and Treatment of Infectious Diseases,' <i>Clin. Microbiol. Rev.</i> , 13(4):602-614 (2000)	
/BG/		Knappik, <i>et al.</i> , 'Fully Synthetic Human Combinatorial Antibody Libraries (HuCAL) Based on Modular Consensus Frameworks and CDRs Randomized with Trinucleotides,' <i>Journal of Molecular Biology</i> , 296:57-86 (2000)	
/BG/		Leary, <i>et al.</i> , 'Active Immunization with Recombinant V Antigen from <i>Yersinia pestis</i> Protects Mice against Plague,' <i>Infection and Immunity</i> , 63(8):2854-2858 (1995)	
/BG/		Leary, <i>et al.</i> , 'Expression of an F1/V fusion protein in attenuated <i>Salmonella typhimurium</i> and protection of mice against plague,' <i>Microbial Pathogenesis</i> , 23:167-179 (1997)	
/BG/		Mayers, <i>et al.</i> , 'Antitoxin therapy for botulinum intoxication,' <i>Reviews in Medical Microbiology</i> , 12(1):29-37 (2001)	
/BG/		Migliani, <i>et al.</i> , 'Resurgence de la peste dans le district d'Ikongo a Madagascar en 1998,' <i>Bulletin De La Societe De Pathologie Exotique</i> , 94(2):115-118 (2001)	
/BG/		Motin, <i>et al.</i> , 'Suppression of Mouse Skin Allograft Rejection by Protein A- <i>Yersiniae</i> V Antigen Fusion Peptide,' <i>Transplantation</i> , 63(7):1040-1042 (1997)	
/BG/		Motin, <i>et al.</i> , 'Passive Immunity to <i>Yersiniae</i> Mediated by Anti-Recombinant V Antigen and Protein A-V Antigen Fusion Peptide,' <i>Infection and Immunity</i> , 62(10):4192-4201 (1994)	
/BG/		Nakajima, <i>et al.</i> , 'Suppression of Cytokines in Mice by Protein A-V Antigen Fusion Peptide and Restoration of Synthesis by Active Immunization,' <i>Infection and Immunity</i> , 63(8):3021-3029 (1995)	
/BG/		Neuberger, <i>et al.</i> , 'Mice perform a human repertoire,' <i>Nature</i> , 386:25-26 (1997)	
/BG/		Nissim, <i>et al.</i> , 'Antibody fragments from a 'single pot' phage display library as immunochemical reagents,' <i>Embo Journal</i> , 13(3):692-698 (1994)	
/BG/		Perry, <i>et al.</i> , ' <i>Yersinia pestis</i> –Etiologic Agent of Plague,' <i>Clinical Microbiology Reviews</i> , 10(1):35-66 (1997)	

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/BG/		Pettersson, <i>et al.</i> , 'The V-antigen of <i>Yersinia</i> is surface exposed before target cell contact and involved in virulence protein translocation,' <i>Molecular Microbiology</i> , 32(5):961-976 (1999)	
/BG/		Ratsitorahina, <i>et al.</i> , 'Epidemiological and diagnostic aspects of the outbreak of pneumonic plague in Madagascar,' <i>Lancet</i> , 355:111-113 (2000)	
/BG/		Rosqvist, <i>et al.</i> , 'Intracellular Targeting of the <i>Yersinia</i> YopE Cytotoxin in Mammalian Cells Unduces Actin Microfilament Disruption,' <i>Infection and Immunity</i> , 59(12):4562-4569 (1991)	
/BG/		Rosqvist, <i>et al.</i> , 'Target cell contact triggers expression and polarized transfer of <i>Yersinia</i> YopE cytotoxin into mammalian cells,' <i>Embo Journal</i> , 13(4):964-972 (1994)	
/BG/		Russell, <i>et al.</i> , 'A comparison of Plague vaccine, USP and EV76 vaccine induced protection against <i>Yersinia pestis</i> in a murine model,' <i>Vaccine</i> , 13(16):1551-1556 (1995)	
/BG/		Sawa, <i>et al.</i> , 'Active and passive immunization with the <i>Pseudomonas</i> V antigen protects against type III intoxication and lung injury,' <i>Nature Medicine</i> , 5(4):392-398 (1999)	
/BG/		Shime, <i>et al.</i> , 'Therapeutic Administration of Anti-PcrV F(ab') <sub>2</sub> in Sepsis Associated with <i>Pseudomonas aeruginosa</i> ,' <i>Journal of Immunology</i> , 167:5880-5886 (2001)	
/BG/		Sing, <i>et al.</i> , ' <i>Yersinia enterocolitica</i> Evasion of the Host Innate Immune Response by V Antigen-Induced IL-10 Production of Macrophages Is Abrogated in IL-10-Deficient Mice,' <i>Journal of Immunology</i> , 168:1315-1321 (2002)	
/BG/		Shivaji, <i>et al.</i> , 'Identification of <i>Yersinia pestis</i> as the causative organism of plague in India as determined by 16S rDNA sequencing and RAPD-based genomic fingerprinting,' <i>FEMS Microbiology Letters</i> , 189:247-252 (2000)	
/BG/		Taylor, <i>et al.</i> , 'Humanised monoclonal antibody to respiratory syncytial virus,' <i>Lancet</i> , 337:1411-1412 (1991)	
/BG/		Titball, <i>et al.</i> , 'Expression of the <i>Yersinia pestis</i> Capsular Antigen (F1 Antigen) on the Surface of an <i>aroA</i> Mutant of <i>Salmonella typhimurium</i> Induces High Levels of Protection against Plague,' <i>Infection and Immunity</i> , 65(5):1926-1930 (1997)	

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/BG/		Titball, et al., 'Vaccination against bubonic and pneumonic plague,' <i>Vaccine</i> , 19:4175-4184 (2001)	
/BG/		Weeks, et al., 'Anti-V antigen antibody protects macrophages from <i>Yersinia pestis</i> -induced cell death and promotes phagocytosis,' <i>Microbial Pathogenesis</i> , 32:227-237 (2002)	
/BG/		Welkos, et al., 'V antigen of <i>Yersinia pestis</i> inhibits neutrophil chemotaxis,' <i>Microbial Pathogenesis</i> , 24:185-196 (1998)	
/BG/		Williamson, et al., 'A sub-unit vaccine elicits IgG in serum, spleen cell cultures and bronchial washings and protects immunized animals against pneumonic plague,' <i>Vaccine</i> , 15(10):1079-1084 (1997)	
/BG/		Williamson, et al., 'An IgG1 titre to the F1 and V antigens correlates with protection against plague in the mouse model,' <i>Clinical and Experimental Immunology</i> , 116:107-114 (1999)	
/BG/		Williamson, et al., 'Plague vaccine research and development,' <i>Journal of Applied Microbiology</i> , 91:606-608 (2001)	
/BG/		Williamson, et al., 'A single dose sub-unit vaccine protects against pneumonic plague,' <i>Vaccine</i> , 19:566-571 (2000)	
/BG/		Williamson, et al., 'A new improved sub-unit vaccine for plague: the basis of protection,' <i>FEMS Immunology and Medical Microbiology</i> , 12:223-230 (1995)	
/BG/		Winter, et al., 'Antibody-based therapy Humanized antibodies,' <i>Trends in Pharmacological Sciences</i> , 14:139-143 (1993)	
/BG/		Chapter 25.2 in Volume 5 of Comprehensive Medicinal Chemistry "Formulation," Volume 5, pp. 567-591 (Corwin Hansch; Chairman of Editorial Board, Pergamon Press) (1990)	

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